ABSTRACT OF THE DISCLOSURE

A new network-adapted type protocol conversion connector with a function for converting the protocol for control signals sent and received between an indoor high-functional network laid in office buildings or dwelling houses and low-functional network-adapted appliances such as household electric appliance and facility, and an indoor communication network system using the connector. In the preferred embodiment, the protocol conversion connector comprises a primary connecting portion to be connected to the communication network laid indoors, a secondary connecting portion to be connected to a network-adapted appliance, a protocol conversion interface to convert the protocol for control signals sent and received between the communication network and the network-adapted appliance, and a feeder connecting portion to feed electric power to the network-adapted appliance to be connected to the secondary connecting portion. More improved and extended connectors designed for use in power line carrier system or wireless communication system are also disclosed as preferred its embodiments.